



9423.txt
SEQUENCE LISTING

<110> The Procter & Gamble Company
<120> Composition for Comprising a Mouse HRT Protein-Human Interacting Partner Protein Complex (Revised)
<130> 9423
<140> 10/712,629
<141> 2003-11-13
<160> 20
<170> PatentIn version 3.3
<210> 1
<211> 660
<212> DNA
<213> Homo Sapiens Keratin 5

<400> 1
gccctcctgg aggtatccaa gaggtcactg tcaaccagag tctcctgact cccctcaacc 60
tgcaaatcga cccagcatc cagaggggtga ggaccgagga gcgcgagcag atcaagaccc 120
tcaacaataa gtttgctctc ttcacgaca aggtgcggtt cctggagcag cagaacaagg 180
ttctggacac caagtggacc ctgctgcagg agcagggcac caagaccgtg aggcagaacc 240
tggagccgtt gttcgagcag tacatcaaca acctcaggag gcagctggac agcatcgtgg 300
gggaacgggg cgcctggac tcagagctaa gaaacatgca ggacctggtg gaagacttca 360
agaacaagta tgaggatgaa atcaacaagc gtaccactgc tgagaatgag tttgtgatgc 420
tgaagaagga tgtagatgct gcctacatga acaagggtga gctggaggcc aagggtgatg 480
cactgatgga tgagattaac ttcataga tggtctttga tgcggagctg tcccagatgc 540
agacgcatgt ctctgacacc tcagtgggtc tctccatgga caacaaccgc aacctggacc 600
tggatagcat catcgtgag gtcaaggccc agtatgagga gattgccaac cgcagccgga 660

<210> 2
<211> 746
<212> DNA
<213> Homo sapiens Ubiquitous Receptor

<400> 2
aagattcggg aacagcagca gcaggagtca cagtcacagt cgcagtcacc tgtggggccg 60
cagggcagca gcagctcagc ctctgggcct ggggcttccc ctggtggatc tgaggcaggc 120
agccagggtc ccggggaagg cgagggtgtc cagctaacag cggctcaaga actaatgatc 180
cagcagttgg tggcggccca actgcagtgc aacaaacgct ctttctccga ccagcccaaa 240
gtcacgccct ggcccctggg cgcagacccc cagtcccag atgcccgcga gcaacgcttt 300
gcccacttca cggagctggc catcatctca gtccaggaga tcgtggactt cgctaagcaa 360

9423.txt

gtgcctgggtt	tcctgcagct	gggccgggag	gaccagatcg	ccctcctgaa	ggcatccact	420
atcgagatca	tgctgctaga	gacagccagg	cgctacaacc	acgagacaga	gtgtatcacc	480
ttcttgagga	cttcacctac	agcaaggacg	acttccaccg	tgcaggcctg	caggtggagt	540
tcatcaaccc	catcttcgag	ttctcgcggg	ccatgcggcg	gctgggcctg	gacgacgctg	600
agtacgccct	gctcatcgcc	atcaacatct	tctcggccga	ccggcccaac	gtgcaggagc	660
cgggccgcgt	ggaggcggtg	cagcagccct	acgtggaggc	gctgctgtcc	tacacgcgca	720
tcaagaggcc	gcaggaccag	ctgcgc				746

<210> 3

<211> 705

<212> DNA

<213> Homo Sapiens Protein Inhibitor of Activated STAT-1

<400> 3

gcggaactaa	agcaaatggt	tatgagcctt	agagtttctg	aactccaagt	actgttgggc	60
tacgccggga	gaaacaagca	cggacgcaaa	cacgaacttc	tcacaaaagc	cctgcatttg	120
ctaaaggctg	gctgtagtcc	tgctgtgcaa	atgaaaatta	aggaactcta	taggcggcgg	180
ttcccacaga	aatcatgac	gcctgcagac	ttgtccatcc	ccaacgtaca	ttcaagtcct	240
atgccagcaa	ctttgtctcc	atctaccatt	ccacaactca	cttacgatgg	tcaccctgca	300
tcatcgccat	tactccctgt	ttctcttctg	ggacctaaac	atgaactgga	actcccacat	360
cttacatcag	ctcttcaccc	agtccatccg	gatataaaac	ttcaaaaatt	accattttat	420
gatttactgg	atgaactgat	aaaaccaccc	agtctagcat	cagacaacag	tcagcgcttt	480
cgagaaacct	gttttgcatt	tgcttgaca	ccacaacaag	tgagcaaat	cagtagttcc	540
atggatatatt	ctgggaccaa	atgtgacttc	acagtacagg	tccagttaag	gttttgttta	600
tcagaaacca	gttgtccaca	agaagatcac	ttcccacca	atctttgtgt	gaaagtgaat	660
acaaaacctt	gcagccttcc	aggttacctt	ccacctacaa	aaaat		705

<210> 4

<211> 792

<212> DNA

<213> Homo Sapiens Similar to Stromal Antigen 2

<400> 4

gagagtgtct	tgattgaaat	aatgctttgt	accattagac	aagcggctga	atgtcatcct	60
cccgtgggaa	gagggacagg	aaaaagggtg	cttacagcaa	aggagaagaa	gacacagttg	120
gatgatagga	caaaaatcac	tgagcttttt	gccgtggccc	ttcctcagtt	attagcaaaa	180
tactctgtag	atgcagaaaa	ggtgactaac	ttgttgagct	tgcttcagta	ctttgatttg	240
gaaatatata	ccactggacg	attagaaaag	catttgatg	ccttattgag	acagatccgg	300
aatattgtag	agaagcacac	agatacagat	gttttggaag	catgttctaa	aacttaccat	360

9423.txt

gcactctgta atgaagagtt cacaatcttc aacagagtag atatttcaag aagtcaactg	420
atagatgaat tggcagataa atttaaccgg cttcttgaag attttctgca agaggggtgaa	480
gaacctgatg aagatgatgc atatcaggta ttgtcaacat tgaagaggat cactgctttt	540
cataatgccc atgacctttc aaagtgggat ttatttgctt gtaattacaa actcttgaaa	600
actggaatcg aaaatggaga catgcctgag cagattgtta ttcacgact gcagtgtact	660
cactatgtaa tcctttggca acttgctaag ataactgaaa gcagctctac aaaggaggac	720
ttgctgcgtt taaagaaaca aatgagagta ttttgtcaga tatgtcaaca ttacctgacc	780
aacgtgaata ct	792

<210> 5
 <211> 747
 <212> DNA
 <213> Homo Sapiens Nucleoporin 160 Kda

<400> 5 actgaagcag gtgatgactg gaaaagtcag gctactctaa ggacatgtat tttcaaacat	60
catttgatt tgggtcacia tagccaagca tatgaagcct taaccctaat tcctgattcc	120
agcaggcaat tagattgttt acggcagttg gtggtagttc tttgtgaacg ctcacagcta	180
caggatcttg tagagtttcc ctatgtgaat ctgcataatg aggttgtggg aataattgag	240
tcacgtgcta gagctgtgga cttatgact cacaattact atgaacttct gtatgccttt	300
cacatctatc gccacaatta ccgcaaggct ggcacagtga tgtttgagta tggaatgcgg	360
cttggcagag aagttcgaac tctccgggga cttgagaaac aaggcaactg ttatctggct	420
gctctcaatt gtttacgact tattcgtcca gaatatgctg ggattgtgca gccagtgtct	480
ggtgcagtgt atgatcggc tggagcatcc cctaagagga atcatgatg agaatgcaca	540
gctgccccca caaatcgaca aattgaaatc ctggaactgg aagatctgga gaaagagtgt	600
tccttggtc gcacccgct cactttggct cagcatgatc catcagcggg tgcagttgct	660
ggaagttcat cagcagagga aatggctact ctcttggttc aggcgggcct ctttgacact	720
gccatattcac tctgtcagac ttttaag	747

<210> 6
 <211> 683
 <212> DNA
 <213> Homo Sapiens Retinoic Acid Receptor Gamma-1

<400> 6 cctgaccag tatgtagaag ccagtctctg caggcggcca gcgggacttt tggaggccca	60
gtgggcaggc caggcagggc gggtagggag cctcccaggc tggggcagtg ggcattggca	120
ggggctgtgg ctgaagacct cgcccccca ctgcagacct caggggactc tcacaccgca	180

9423.txt

gctgccatgg ccaccaataa ggagcgactc tttgcggctg gtgccctggg gcctggatct	240
ggctaccag gggcaggttt ccccttcgcc ttcccagggg cactcagggg gtctccgcct	300
ttcgagatgc tgagccctag cttccggggc ctgggccagc ctgacctccc caaggagatg	360
gcctctctgt cgggtggagac acagagcacc agctcagagg agatgggtgcc cagctcgccc	420
tcgccccctc cgcctcctcg ggtctacaag ccatgcttcg tgtgcaatga caagtcctct	480
ggctaccact atgggggtcag ctcttgtgaa ggctgcaagg gcttctttcg ccgaagcatc	540
cagaagaaca tgggtgtacac gtgtcaccgc gacaaaaact gtatcatcaa caaggtgacc	600
aggaatcgct gccagtactg ccggctacag aagtgccttcg aagtgggcat gtccaaggaa	660
gctgtgcgaa atgaccggaa caa	683

<210> 7
 <211> 744
 <212> DNA
 <213> Homo Sapiens Thyroid Hormone Receptor Alpha

<400> 7	
gtggagtgtg ggtcagaccc agaggagaac agtgccaggt caccagatgg aaagcgaaaa	60
agaaagaacg gccaatgttc cctgaaaacc agcatgtcag ggtatatccc tagttacctg	120
gacaaagacg agcagtgtgt cgtgtgtggg gacaaggcaa ctggttatca ctaccgctgt	180
atcacttgtg agggctgcaa gggcttcttt cgccgcacaa tccagaagaa cctccatccc	240
acctattcct gcaaatatga cagctgctgt gtcattgaca agatcacccg caatcagtgc	300
cagctgtgcc gcttcaagaa gtgcatcgcc gtgggcatgg ccatggactt ggttctagat	360
gactcgaagc ggggtggcaa gcgtaagctg attgagcaga accgggagcg gcggcggaag	420
gaggagatga tccgatcact gcagcagcga ccagagccca ctctgaaga gtgggatctg	480
atccacattg ccacagaggc ccatcgcagc accaatgccc agggcagcca ttggaaacag	540
aggcggaaat tcctgcccga tgacattggc cagtcacca ttgtctccat gccggacgga	600
gacaagggtg acctggaagc cttcagcgag tttaaccaaga tcatcaccg gccatcacc	660
cgtgtggtgg actttgccaa aaaactgccc atgttctccg agctgccttg cgaagaccag	720
atcatcctcc tgaaggggtg ctgc	744

<210> 8
 <211> 719
 <212> DNA
 <213> Homo sapiens Annexin A1

<400> 8	
gcacagcgtc aacagatcaa agcagcatat ctccaggaaa caggaaagcc cctggatgaa	60
acactgaaga aagcccttac aggtcacctt gaggaggttg ttttagctct gctaaaaact	120
ccagcgcaat ttgatgctga tgaacttcgt gctgccatga agggccttg aactgatgaa	180

9423.txt

gataactctaa ttgagatttt ggcatacaaga actaacaaag aaatcagaga cattaacagg	240
gtctacagag aggaactgaa gagagatctg gccaaagaca taacctcaga cacatctgga	300
gattttcggga acgcttttgct ttctcttgct aagggtgacc gatctgagga ctttggtgtg	360
aatgaagact tggctgattc agatgccagg gccttgatg aagcaggaga aaggagaaag	420
gggacagacg taaacgtgtt caataccatc cttaccacca gaagctatcc acaacttcgc	480
agagtgtttc agaaatacac caagtacagt aagcatgaca tgaacaaagt tctggacctg	540
gagttgaaag gtgacattga gaaatgcctc acagctatcg tgaagtgcgc cacaagcaaa	600
ccagctttct ttgcagagaa gcttcatcaa gccatgaaag gtgttggaac tcgccataag	660
gcattgatca ggattatggt ttcccgttct gaaattgaca tgaatgatat caaagcatt	719

<210> 9
 <211> 323
 <212> DNA
 <213> Homo sapiens HIC Protein Isoform P32 and Isoform 40

<400> 9	
aagccctcgc tcccgggccc gtggggccgc agcgcgtggc cgaggcgggc ggcggccagc	60
tgggctccac agcccaggga aaatgtgata aagacaatac tgagaaagat ataactcaag	120
ctaccaatag ccacttcaca catggagaga tgcaagacca gtccatttggt ggaaatcctt	180
cggatggtga actcattaga acccaacctc agcgcttgcc tcagcttcag acttcagcac	240
aggtgccaaag tggtagaggaa ataggcaaga taaagaacgg ccacacaggt ctgagcaatg	300
gaaatggaat tcaccacggg gcc	323

<210> 10
 <211> 610
 <212> DNA
 <213> Homo Sapiens Insulin-like Growth Factor Binding Domain Protein 6

<400> 10	
ccaggaggcg ccttggcgcg gtgcccaggc tgcgggcaag ggggtgcaggc gggttgtcca	60
gggggctgcg tggaggagga ggatgggggg tgcagccagg agggctgcgc ggaagctgag	120
ggctgtctca ggaggaggag gcaggagtgc ggggtctaca cccctaactg cgccccagga	180
ctgcagtgcc atccgccccaa ggacgacgag gcgcctttgc gggcgctgct gctcggccga	240
ggccgctgcc ttccggcccc cgcgcttgcg gttgcagagg agaatcctaa ggagagtaaa	300
ccccaaagcag gcaactgccc cccacaggat gtgaaccgca gagaccaaca gaggaatcca	360
ggcacctcta ccacgccctc ccagcccaat tctgcgggtg tccaagacac tgagatgggc	420
ccatgccgta gacatctgga ctcaagtgcg cagcaactcc agactgaggt ctaccgaggg	480
gctcaaacac tctacgtgcc caattgtgac catcagggct tctaccggaa gcggcagtg	540

cgctcctccc aggggcagcg ccgaggtccc tgctggtgtg tggatcggat gggcaagtcc 600
ctgccagggt 610

<210> 11
<211> 718
<212> DNA
<213> Homo sapiens Inner Membrane Protein, Mitochondrial

<400> 11
aaaccacac ctgcactttc agaagaagca tcctcatctt ctataaggga gcgaccacct 60
gaagaagttg cagctcgctt tgcacaacag gaaaaacaag aacaagttaa aattgagtct 120
ctagccaaga gcttagaaga tgctctgagg caaactgcaa gtgtcactct gcaggctatt 180
gcagctcaga atgctgcggt ccaggctgtc aatgcacact ccaacatatt gaaagccgcc 240
atggacaatt ctgagattgc aggcgagaag aaatctgctc agtggcgcac agtggagggt 300
gcattgaagg aacgcagaaa ggcagtagat gaagctgccg atgcccttct caaagccaaa 360
gaagagttag agaagatgaa aagtgtgatt gaaaatgcaa agaaaaaaga ggttgctggg 420
gccaaacctc atataactgc tgcagagggt aaacttcaca acatgatagt tgatctggat 480
aatgtggtca aaaagggtcca agcagctcag tctgaggcta aggttgatct tcagtatcat 540
gagctggtgg tccaagctcg ggatgacttt aaacgagagc tggacagtat tactccagaa 600
gtccttcctg ggtggaaagg aatgagtgtt tcagacttag ctgacaagct ctctactgat 660
gatctgaact ccctcattgc tcatgcacat cgtcgtattg atcagctgaa cagagagc 718

<210> 12
<211> 720
<212> DNA
<213> Homo Sapiens Endoplasmic reticulum thioredoxin superfamily member

<400> 12
ggaccgtctg ctgggactcc ggccctgcgt ccgctcagcc ccgtggcccc gcgcacctac 60
tgccatggag acgcggcctc gtctcggggc cacctgtttg ctgggcttca gtttcctgct 120
cctcgatcat tcttctgatg gacataatgg gcttggaag ggttttgag atcatattca 180
ttggaggaca ctggaagatg ggaagaaaga agcagctgcc agtggactgc ccctgatggt 240
gattattcat aaatcctggt gtggagcttg caaagctcta aagcccaat ttgcagaatc 300
tacggaaatt tcagaactct ccataatct tgttatggta aatcttgagg atgaagagga 360
acccaaagat gaagatttca gccctgacgg gggttatatt ccacgaatcc ttttctgga 420
tccagtggtc aaggtgcctc ctgaaatcat caatgagaat ggaaaccca gctacaagta 480
tttttatgtc agtgccgagc aagttgttca ggggatgaag gaagctcagg aaaggctgac 540
gggtgatgcc ttcagaaaga aacatcttga agatgaattg taacatgaat gtgccccttc 600
tttcatcaga gttagtgttc tggaaggaaa gcagcaggga agggaatatt gaggaatcat 660

9423.txt

ctagaacaat taagccgacc aggaaacctc attcctacct acactggaag gagcgctctc 720

<210> 13

<211> 779

<212> DNA

<213> Homo Sapiens Protein Inhibitor of Activated STAT-3

<400> 13

cctgtaggct cccctgggtcc tctagctccc attcccccaa cgctggtggc ccctggcacc 60

ctgctggggc ccaagcgtga ggtggacatg cccccccctc tgccccagcc tgtgcaccct 120

gatgtcacca tgaaaccatt gcccttctat gaagtctatg gggagctcat ccggcccacc 180

acccttgcat ccacttctag ccagcggttt gaggaagcgc actttacctt tgccctcaca 240

ccccagcaag tgcagcagat tcttacatcc agagagggtt tgccaggagc caaatgtgat 300

tataccatac aggtgcagct aagggttctgt ctctgtgaga ccagctgccc ccaggaagat 360

tattttcccc ccaacctctt tgtcaagggtc aatgggaaac tgtgccccct gccgggttac 420

cttcccccaa ccaagaatgg ggccgagccc aagaggccca gccgccccat caacatcaca 480

cccctggctc gactctcagc cactgttccc aacaccattg tgggtcaattg gtcattctgag 540

ttcggacgga attactcctt gtctgtgtac ctggtgaggc agttgactgc aggaaccctt 600

ctacaaaaac tcagagcaaa gggatatccg aaccagacc actcgcgggc actgatcaag 660

gagaaattga ctgctgaccc tgacagttag gtggccacta caagtctccg ggtgtcactc 720

atgtgcccgc tagggaagat gcgcctgact gtcccttgtc gtgccctcac ctgcgcca 779

<210> 14

<211> 738

<212> DNA

<213> Homo Sapiens DEAD box polypeptide 3

<400> 14

ggcgaggcct tgagggccat gaaggaaaat ggaagggtatg ggcgccgcaa acaataccca 60

atctccttgg tattagcacc aacgagagag ttggcagtac agatctacga ggaagccaga 120

aaattttcat accgatctag agttcgtcct tgcgtggttt atggtggtgc cgatattggt 180

cagcagattc gagacttgga acgtggatgc catttggttag tagccactcc aggacgtcta 240

gtggatatga tggaaagagg aaagattgga ttagactttt gcaaatactt ggtgttagat 300

gaagctgata ggatgttgga tatggggttt gagcctcaga ttcgtagaat agtcgaacaa 360

gatactatgc ctccaaaggg tgtccgccac actatgatgt ttagtgctac ttttcctaag 420

gaaatacaga tgctggctcg tgatttctta gatgaatata tcttcttggc tgtaggaaga 480

gttggctcta cctctgaaaa catcacacag aaagtagttt ggggtggaaga atcagacaaa 540

cggtcatttc tgcttgacct cctaaatgca acaggcaagg attcactgac cttagtgttt 600

9423.txt

gtggagacca aaaaggggtgc agattctctg gaggatttct tataccatga aggatacgca 660
 tgtaccagca tccatggaga ccgttctcag agggatagag aagaggccct tcaccagttc 720
 cgctcaggaa aaagccca 738

<210> 15
 <211> 450
 <212> DNA
 <213> Homo Sapiens Dpy-30 Like Protein

<400> 15
 gaaaatcctc actctgagta cggcttcaca gacaacgttg agagaatagt agaaaatgag 60
 aagattaatg cagaaaagtc atcaaagcag aaggtagatc tccagtcttt gccaaactcgt 120
 gcctacctgg atcagacagt tgtgcctatc ttattacagg gacttgctgt gcttgcaaag 180
 gaaagaccac caaatcccat tgaatttcta gcatcttata ttttaaaaaa caaggcacag 240
 tttgaagatc gaaactgact taatgggaag aacagaaaaa tttagttgct actgtagatt 300
 tacatgatta agaggcagct ttaattgcc a tgatcattcc ctcttttttg atgtataaga 360
 accttccgga caacagaccc tatttctgga attgcagaag ataacatatt tcccttattt 420
 tgattttaatc accataaacc atacctattt 450

<210> 16
 <211> 1269
 <212> DNA
 <213> Mus Musculus Vitamin D Receptor

<400> 16
 atggaggcaa tggcagccag cacctccctg cctgaccctg gtgactttga ccggaatgtg 60
 cctcggatct gtggagtgtg tggagaccga gccacgggct tccacttcaa cgctatgacc 120
 tgtgaaggct gcaagggttt cttcaggcgg agcatgaagc gcaaggccct gttcacctgc 180
 cccttcaatg gagattgccg catcaccaag gacaaccggc gacactgcca ggcctgccgg 240
 ctcaaacgct gcgtggacat tggcatgatg aaggagttca tcctcacaga tgaggaggtg 300
 cagcgtgaagc gagagatgat catgaagagg aaggaggaag aggccttgaa ggacagtctg 360
 aggcccaagc tgtctgagga gcaacagcac attatcgcca tcctgctcga tgcccaccac 420
 aagacctacg accccacctt tgccgacttc cgggacttcc ggcctccaat tcgtgcagac 480
 gtaagtacag ggagctattc tccaaggccc aactcagct tctccggaga ctctcctca 540
 aactctgatc tgtacacccc ctactggac atgatggaac cggccagctt ttccacgatg 600
 gatctgaatg aagaaggctc cgatgacccc tctgtgaccc tggacctgtc tccgctctcc 660
 atgctgcccc acctggctga tcttgtcagt tacagcatcc aaaagggtcat cggctttgcc 720
 aagatgatcc ctggcttcag ggacctcacc tctgatgacc agattgtcct gcttaagtca 780
 agtgccattg aggtgatcat gttgcgctcc aaccagtctt ttaccttgga tgacatgtcc 840

9423.txt

tgggactgtg gcagccaaga ctacaaatat gacatcactg atgtctccag agctgggcac	900
accctggagc tgatcgaacc cctcataaag ttccaggtgg ggctgaagaa gctgaacctc	960
catgaggaag aacatgtgct gctcatggcc atctgcattg tctccccaga ccgacctggg	1020
gtacaggatg ctaagctggt tgaagccatt caggaccgcc tatccaacac actgcagacc	1080
tacatccgct gccgccaccc gccccgggc agccaccagc tctacgcaa gatgatccag	1140
aagctggctg acctgcgaag cctcaatgag gagcactcca aacagtaccg ttccctctcc	1200
ttccagccgg agaacagcat gaagctcaca ccccttgatg tagaggtgtt cggcaatgag	1260
atctcctga	1269

<210> 17

<211> 2079

<212> PRT

<213> Nucleotide sequence of HRT corresponding to the amino acid residue of the C-terminal portion of HR protein

<400> 17

Gly	Thr	Thr	Ala	Cys	Cys	Cys	Ala	Gly	Thr	Gly	Cys	Cys	Ala	Ala	Ala
1				5					10					15	

Gly	Cys	Thr	Gly	Thr	Gly	Thr	Cys	Cys	Ala	Gly	Gly	Cys	Ala	Gly	Cys
			20					25					30		

Thr	Gly	Gly	Ala	Gly	Ala	Gly	Gly	Thr	Ala	Gly	Gly	Gly	Gly	Thr	Ala
		35				40						45			

Cys	Thr	Gly	Ala	Cys	Cys	Gly	Gly	Cys	Cys	Ala	Cys	Thr	Cys	Cys	Cys
	50					55					60				

Ala	Gly	Ala	Ala	Ala	Thr	Cys	Ala	Cys	Gly	Thr	Ala	Gly	Gly	Thr	Cys
65					70					75					80

Ala	Cys	Cys	Cys	Cys	Thr	Gly	Gly	Ala	Ala	Gly	Ala	Gly	Ala	Ala	Gly
				85					90					95	

Cys	Ala	Gly	Thr	Thr	Gly	Gly	Ala	Gly	Gly	Ala	Gly	Gly	Ala	Gly	Gly
			100					105					110		

Ala	Thr	Thr	Cys	Cys	Thr	Cys	Thr	Gly	Cys	Cys	Ala	Cys	Thr	Thr	Cys
		115					120					125			

Cys	Gly	Ala	Ala	Gly	Ala	Ala	Gly	Gly	Ala	Gly	Gly	Ala	Gly	Gly	Ala
	130					135					140				

Gly	Gly	Gly	Cys	Cys	Thr	Gly	Gly	Cys	Cys	Cys	Ala	Gly	Ala	Ala	Gly

9423.txt

145	150	155	160
Cys Thr Thr Cys	Ala Cys Thr Cys Ala	Ala Cys Ala Ala Gly	Gly Gly Gly
	165	170	175
Cys Cys Thr	Gly Gly Cys Cys Ala	Ala Gly Cys Ala Cys	Cys Thr Gly
	180	185	190
Cys Thr	Gly Ala Gly Thr Gly	Gly Thr Thr Thr Gly	Gly Gly Gly Gly
	195	200	205
Ala Cys	Cys Gly Ala Cys Thr	Cys Thr Gly Cys	Cys Gly Cys Cys Thr
	210	215	220
Gly Cys Thr	Gly Cys Gly Ala Ala	Gly Gly Ala Gly Cys	Gly Gly Gly
	225	230	235
Gly Ala Gly	Gly Cys Cys Thr Thr	Gly Cys Cys Thr Gly	Gly Gly Gly
	245	250	255
Cys Ala Cys	Ala Gly Cys Gly Ala	Gly Ala Ala Gly Gly	Cys Cys Ala
	260	265	270
Gly Gly	Gly Gly Cys Cys Ala	Gly Cys Cys Ala Thr	Gly Ala Cys Ala
	275	280	285
Gly Ala	Gly Gly Ala Cys	Ala Gly Cys Cys Cys	Ala Gly Gly Cys Ala
	290	295	300
Thr Thr	Cys Cys Ala Cys	Ala Thr Thr Gly	Cys Thr Gly Cys Ala
	305	310	315
Cys Cys Gly	Ala Thr Gly Cys Cys	Ala Cys Cys Ala Cys	Gly Gly Ala
	325	330	335
Cys Thr Cys	Thr Thr Cys Ala Ala	Cys Ala Cys Cys Cys	Ala Cys Thr
	340	345	350
Gly Gly	Ala Gly Ala Thr Gly	Thr Thr Cys Cys Cys	Ala Cys Thr Gly
	355	360	365
Thr Ala	Gly Cys Cys Ala Cys	Cys Gly Gly Cys Thr	Gly Thr Gly Thr
	370	375	380
Gly Thr	Ala Gly Cys Cys Thr	Gly Thr Gly Thr	Gly Thr Cys Gly Cys
	385	390	395
			400

9423.txt

Thr Ala Gly Cys Cys Gly Gly Cys Gly Cys Thr Gly Gly Ala Ala Ala
 405 410 415

Gly Ala Ala Cys Ala Gly Gly Gly Ala Gly Ala Ala Ala Ala Cys Ala
 420 425 430

Gly Gly Thr Thr Cys Thr Cys Ala Gly Gly Ala Ala Cys Ala Gly Cys
 435 440 445

Ala Cys Ala Cys Ala Gly Ala Thr Gly Ala Cys Thr Gly Cys Gly Cys
 450 455 460

Cys Cys Ala Gly Gly Ala Gly Gly Cys Thr Gly Gly Gly Cys Ala Thr
 465 470 475 480

Gly Cys Thr Gly Cys Cys Thr Gly Thr Thr Cys Cys Cys Thr Gly Ala
 485 490 495

Thr Cys Cys Thr Gly Ala Cys Cys Cys Ala Gly Thr Thr Thr Gly Thr
 500 505 510

Cys Thr Cys Cys Ala Gly Cys Cys Ala Gly Gly Cys Gly Cys Thr Gly
 515 520 525

Gly Cys Ala Gly Ala Ala Cys Thr Gly Ala Gly Cys Ala Cys Thr Gly
 530 535 540

Thr Gly Ala Thr Gly Cys Ala Cys Cys Ala Ala Gly Cys Cys Thr Gly
 545 550 555 560

Gly Gly Cys Cys Ala Ala Gly Thr Thr Thr Gly Ala Cys Ala Thr Thr
 565 570 575

Cys Gly Gly Gly Gly Gly Cys Ala Cys Thr Gly Thr Thr Thr Cys Thr
 580 585 590

Gly Cys Cys Ala Gly Gly Thr Thr Gly Ala Thr Gly Cys Cys Cys Gly
 595 600 605

Thr Gly Thr Gly Thr Gly Gly Gly Cys Cys Cys Cys Cys Gly Gly Gly
 610 615 620

Gly Ala Thr Gly Gly Gly Gly Gly Thr Cys Ala Gly Cys Ala Gly Ala
 625 630 635 640

Ala Gly Gly Ala Ala Cys Cys Ala Ala Cys Ala Gly Ala Gly Ala Ala
 645 650 655

9423.txt

Ala Ala Cys Thr Cys Cys Cys Cys Cys Ala Ala Cys Thr Cys Cys Ala
 660 665 670
 Cys Ala Ala Cys Cys Thr Thr Cys Cys Thr Gly Cys Ala Ala Thr Gly
 675 680 685
 Gly Ala Gly Ala Thr Thr Cys Cys Ala Ala Thr Cys Gly Gly Ala Cys
 690 695 700
 Cys Ala Ala Gly Gly Ala Cys Ala Thr Cys Ala Ala Ala Gly Ala Ala
 705 710 715 720
 Gly Ala Gly Ala Cys Cys Cys Cys Ala Gly Ala Cys Thr Cys Cys Ala
 725 730 735
 Cys Thr Gly Ala Gly Ala Gly Cys Cys Cys Ala Gly Cys Ala Gly Ala
 740 745 750
 Gly Gly Ala Cys Gly Gly Thr Gly Cys Thr Gly Gly Cys Cys Gly Gly
 755 760 765
 Thr Cys Ala Cys Cys Cys Cys Thr Thr Cys Cys Thr Thr Gly Thr Cys
 770 775 780
 Cys Cys Thr Cys Thr Cys Thr Cys Thr Gly Thr Gly Ala Gly Cys Thr
 785 790 795 800
 Gly Cys Thr Ala Gly Cys Cys Thr Cys Thr Ala Cys Thr Gly Cys Thr
 805 810 815
 Gly Thr Cys Ala Ala Ala Cys Thr Cys Thr Gly Cys Cys Thr Gly Gly
 820 825 830
 Gly Gly Cys Ala Thr Gly Ala Cys Cys Gly Gly Ala Thr Thr Cys Ala
 835 840 845
 Cys Ala Thr Gly Gly Cys Cys Thr Thr Thr Gly Cys Thr Cys Cys Gly
 850 855 860
 Gly Thr Cys Ala Cys Cys Cys Cys Ala Gly Cys Thr Cys Thr Gly Cys
 865 870 875 880
 Cys Cys Ala Gly Thr Gly Ala Thr Gly Ala Cys Cys Gly Cys Ala Thr
 885 890 895
 Thr Ala Cys Cys Ala Ala Cys Ala Thr Cys Cys Thr Gly Gly Ala Cys
 900 905 910

9423.txt

Ala Gly Cys Ala Thr Thr Ala Thr Thr Gly Cys Gly Cys Ala Gly Gly
915 920 925

Thr Ala Gly Thr Ala Gly Ala Ala Cys Gly Gly Ala Ala Gly Ala Thr
930 935 940

Cys Cys Ala Ala Gly Ala Gly Ala Ala Ala Gly Cys Cys Cys Thr Gly
945 950 955 960

Gly Gly Gly Cys Cys Ala Gly Gly Cys Cys Thr Gly Cys Gly Ala Gly
965 970 975

Cys Ala Gly Gly Gly Thr Cys Ala Gly Gly Cys Thr Thr Ala Cys Gly
980 985 990

Cys Ala Ala Gly Gly Gly Cys Cys Thr Gly Ala Gly Cys Cys Thr Thr
995 1000 1005

Cys Cys Ala Thr Thr Gly Thr Cys Ala Cys Cys Ala Gly Thr Gly
1010 1015 1020

Cys Gly Ala Ala Cys Cys Cys Gly Gly Cys Thr Gly Thr Cys Thr
1025 1030 1035

Cys Cys Thr Cys Cys Thr Gly Gly Ala Gly Cys Thr Thr Thr Gly
1040 1045 1050

Cys Thr Gly Thr Gly Gly Cys Thr Gly Cys Ala Gly Gly Ala Gly
1055 1060 1065

Cys Cys Thr Ala Gly Gly Cys Cys Thr Ala Ala Gly Cys Ala Thr
1070 1075 1080

Gly Gly Cys Thr Thr Cys Cys Ala Thr Cys Thr Cys Thr Thr Cys
1085 1090 1095

Cys Ala Gly Gly Ala Ala Cys Ala Cys Thr Gly Gly Cys Gly Gly
1100 1105 1110

Cys Ala Gly Gly Gly Cys Cys Ala Gly Cys Cys Cys Gly Thr Gly
1115 1120 1125

Thr Thr Ala Gly Thr Gly Thr Cys Ala Gly Gly Cys Ala Thr Cys
1130 1135 1140

Cys Ala Gly Ala Ala Gly Ala Cys Ala Thr Thr Gly Ala Gly Ala
Page 13

1145		1150		1155
Cys Thr Thr Ala Gly Cys	Cys Thr Gly Thr Gly	Gly Gly Ala		
1160	1165	1170		
Ala Thr Gly Gly Ala Ala	Gly Cys Cys Cys Thr	Thr Gly Gly Gly		
1175	1180	1185		
Ala Cys Ala Cys Thr Thr	Gly Gly Thr Gly Gly	Cys Cys Ala Gly		
1190	1195	1200		
Gly Thr Gly Cys Ala Gly	Thr Cys Ala Cys Thr	Gly Ala Cys Thr		
1205	1210	1215		
Gly Cys Cys Cys Thr Thr	Gly Gly Cys Cys Thr	Cys Cys Cys		
1220	1225	1230		
Cys Ala Gly Cys Cys Cys	Ala Cys Gly Ala Ala	Cys Thr Gly		
1235	1240	1245		
Gly Ala Cys Ala Gly Cys	Ala Cys Ala Gly Cys	Ala Thr Thr Cys		
1250	1255	1260		
Thr Gly Gly Gly Ala Gly	Gly Ala Thr Thr	Cys Thr Cys Thr		
1265	1270	1275		
Cys Ala Thr Cys Cys Thr	Gly Ala Gly Ala Cys	Ala Cys Gly Thr		
1280	1285	1290		
Cys Cys Ala Ala Ala Gly	Thr Ala Gly Ala Thr	Gly Ala Gly		
1295	1300	1305		
Gly Gly Cys Thr Cys Thr	Gly Thr Cys Cys Thr	Cys Thr Gly		
1310	1315	1320		
Cys Thr Ala Cys Ala Cys	Cys Gly Ala Ala Cys	Cys Thr Gly		
1325	1330	1335		
Gly Gly Gly Gly Ala Thr	Ala Ala Gly Gly Ala	Cys Gly Cys Thr		
1340	1345	1350		
Ala Gly Cys Ala Gly Gly	Gly Thr Gly Cys Ala	Gly Ala Ala Cys		
1355	1360	1365		
Cys Thr Thr Gly Thr Cys	Thr Cys Cys Ala Gly	Cys Thr Thr		
1370	1375	1380		

Cys Cys Ala Cys Thr Cys Cys Cys Ala Gly Ala Ala Thr Ala Cys
 1385 1390 1395
 Thr Gly Thr Gly Cys Cys Cys Ala Cys Cys Ala Ala Gly Gly Gly
 1400 1405 1410
 Ala Ala Ala Cys Thr Cys Ala Ala Cys Cys Thr Ala Gly Cys Gly
 1415 1420 1425
 Thr Cys Cys Thr Ala Cys Cys Thr Cys Cys Cys Cys Cys Thr Gly
 1430 1435 1440
 Gly Gly Cys Cys Thr Cys Ala Cys Ala Cys Thr Gly Cys Ala Thr
 1445 1450 1455
 Cys Cys Ala Cys Thr Gly Gly Ala Gly Cys Cys Cys Cys Ala Gly
 1460 1465 1470
 Cys Thr Cys Thr Gly Gly Gly Cys Gly Gly Cys Cys Thr Ala Thr
 1475 1480 1485
 Gly Gly Thr Gly Thr Gly Ala Ala Cys Thr Cys Ala Cys Ala Cys
 1490 1495 1500
 Cys Gly Thr Gly Gly Ala Cys Ala Cys Cys Thr Gly Gly Gly Gly
 1505 1510 1515
 Ala Cys Cys Ala Ala Gly Ala Ala Thr Cys Thr Ala Thr Gly Cys
 1520 1525 1530
 Gly Thr Gly Gly Ala Gly Gly Thr Gly Thr Cys Thr Gly Ala Cys
 1535 1540 1545
 Cys Thr Ala Ala Thr Cys Ala Gly Thr Ala Thr Cys Cys Thr Gly
 1550 1555 1560
 Gly Thr Gly Cys Ala Cys Gly Cys Cys Gly Ala Gly Gly Cys Cys
 1565 1570 1575
 Cys Ala Gly Cys Thr Gly Cys Cys Thr Cys Cys Cys Thr Gly Gly
 1580 1585 1590
 Thr Ala Thr Cys Gly Ala Gly Cys Ala Cys Ala Gly Ala Ala Ala
 1595 1600 1605
 Gly Ala Thr Thr Thr Cys Cys Thr Cys Thr Cys Ala Gly Gly Cys
 1610 1615 1620

9423.txt

Cys Thr Gly Gly Ala Thr Gly Gly Gly Gly Ala Ala Gly Gly Ala
 1625 1630 1635
 Cys Thr Cys Thr Gly Gly Thr Cys Thr Cys Cys Ala Gly Gly Gly
 1640 1645 1650
 Ala Gly Cys Cys Ala Gly Ala Cys Cys Ala Gly Cys Ala Cys Thr
 1655 1660 1665
 Gly Thr Gly Thr Gly Gly Cys Ala Thr Gly Thr Gly Thr Thr Cys
 1670 1675 1680
 Cys Gly Gly Gly Cys Cys Cys Ala Gly Gly Ala Thr Gly Cys Cys
 1685 1690 1695
 Cys Ala Gly Cys Gly Cys Ala Thr Cys Cys Gly Thr Cys Gly Cys
 1700 1705 1710
 Thr Thr Thr Cys Thr Cys Cys Ala Gly Ala Thr Gly Gly Thr Gly
 1715 1720 1725
 Thr Gly Cys Cys Cys Ala Gly Cys Thr Gly Gly Ala Gly Cys Ala
 1730 1735 1740
 Gly Gly Ala Ala Cys Cys Thr Thr Gly Gly Ala Gly Cys Cys Thr
 1745 1750 1755
 Gly Gly Thr Gly Cys Cys Cys Cys Ala Gly Gly Cys Ala Gly Cys
 1760 1765 1770
 Thr Gly Cys Thr Ala Cys Thr Thr Gly Gly Ala Thr Gly Cys Ala
 1775 1780 1785
 Gly Gly Gly Thr Thr Gly Cys Gly Cys Cys Gly Ala Cys Gly Gly
 1790 1795 1800
 Cys Thr Ala Ala Gly Ala Gly Ala Ala Gly Ala Gly Thr Gly Gly
 1805 1810 1815
 Gly Gly Thr Gly Thr Gly Ala Gly Cys Thr Gly Cys Thr Gly Gly
 1820 1825 1830
 Ala Cys Cys Cys Thr Gly Cys Thr Gly Cys Ala Gly Gly Cys Thr
 1835 1840 1845
 Cys Cys Thr Gly Gly Gly Gly Ala Ala Gly Cys Gly Gly Thr Gly
 1850 1855 1860

9423.txt

Cys Thr Gly Gly Thr Cys Cys Cys Gly Gly Cys Thr Gly Gly Gly
 1865 1870 1875
 Gly Cys Gly Cys Cys Cys Cys Ala Thr Cys Ala Gly Gly Thr Gly
 1880 1885 1890
 Cys Ala Gly Gly Gly Cys Cys Thr Gly Gly Thr Gly Ala Gly Cys
 1895 1900 1905
 Ala Cys Ala Ala Thr Cys Ala Gly Thr Gly Thr Cys Ala Cys Thr
 1910 1915 1920
 Cys Ala Gly Cys Ala Cys Thr Thr Thr Cys Thr Gly Thr Cys Thr
 1925 1930 1935
 Cys Cys Thr Gly Ala Gly Ala Cys Cys Thr Cys Thr Gly Cys Cys
 1940 1945 1950
 Cys Thr Cys Thr Cys Thr Gly Cys Thr Cys Ala Gly Cys Thr Cys
 1955 1960 1965
 Thr Gly Cys Cys Ala Cys Cys Ala Gly Gly Gly Ala Gly Cys Cys
 1970 1975 1980
 Ala Gly Cys Cys Thr Ala Cys Cys Cys Cys Cys Thr Gly Ala Cys
 1985 1990 1995
 Cys Ala Cys Cys Gly Thr Ala Thr Gly Cys Thr Thr Thr Ala Thr
 2000 2005 2010
 Gly Cys Cys Cys Ala Gly Ala Thr Gly Gly Ala Cys Cys Gly Gly
 2015 2020 2025
 Gly Cys Thr Gly Thr Gly Thr Thr Cys Cys Ala Ala Gly Cys Ala
 2030 2035 2040
 Gly Thr Ala Ala Ala Gly Gly Cys Gly Gly Cys Thr Gly Thr Gly
 2045 2050 2055
 Gly Gly Gly Gly Cys Gly Thr Thr Ala Cys Ala Gly Gly Ala Ala
 2060 2065 2070
 Gly Cys Thr Ala Ala Ala
 2075

9423.txt

<211> 2079

<212> DNA

<213> C-terminal portion of hairless protein of mouse (HRT) having amino acid residues 490 to 1182

<400> 18

```

gttaccagtg gccaaagctg tgtccaggca gctggagagg taggggtact gaccggccac      60
tcccagaaat cacgtaggtc acccctggaa gagaagcagt tggaggagga ggattcctct      120
gccacttccg aagaaggagg aggagggcct ggcccagaag cttcactcaa caagggcctg      180
gccaagcacc tgctgagtgg tttgggggac cgactctgcc gcctgctgcg gaaggagcgg      240
gaggcccttg cctgggcaca gcgagaaggc cagggggccag ccatgacaga ggacagccca      300
ggcattccac attgctgcag ccgatgccac cacggactct tcaacaccca ctggagatgt      360
tcccactgta gccaccggct gtgtgtagcc tgtggtcgca tagccggcgc tggaaagaac      420
agggagaaaa caggttctca ggaacagcac acagatgact gcgcccagga ggctgggcat      480
gctgcctgtt ccctgatcct gaccagttt gtctccagcc aggcgctggc agaactgagc      540
actgtgatgc accaagcctg ggccaagttt gacattcggg ggactgttt ctgccaggtt      600
gatgcccgtg tgtgggcccc cggggatggg ggtcagcaga aggaaccaac agagaaaact      660
ccccaaactc cacaaccttc ctgcaatgga gattccaatc ggaccaagga catcaaagaa      720
gagaccccag actccactga gagcccagca gaggacggtg ctggccggtc accccttcct      780
tgtccctctc tctgtgagct gctagcctct actgctgtca aactctgcct ggggcatgac      840
cggattcaca tggcctttgc tccggtcacc ccagctctgc ccagtgatga ccgcattacc      900
aacatcctgg acagcattat tgcgcaggta gtagaacgga agatccaaga gaaagccctg      960
gggccaggcc tgcgagcagg gtcaggctta cgcaagggcc tgagccttcc attgtcacca     1020
gtgcgaaccc ggctgtctcc tcctggagct ttgctgtggc tgcaggagcc taggcctaag     1080
catggcttcc atctcttcca ggaacactgg cggcagggcc agcccgtgtt agtgtcaggc     1140
atccagaaga cattgagact tagcctgtgg ggaatggaag cccttgggac acttgggtggc     1200
caggtgcagt cactgactgc cttgggcct cccagccca cgaacctgga cagcacagca     1260
ttctgggagg gattctctca tcctgagaca cgtccaaagt tagatgaggg ctctgtcctc     1320
ctgctacacc gaacctggg ggataaggac gctagcaggg tgcagaacct tgtctccagc     1380
cttccactcc cagaatactg tgcccaccaa gggaaactca acctagcgtc ctacctcccc     1440
ctgggcctca cactgcatcc actggagccc cagctctggg cggcctatgg tgtgaactca     1500
caccgtggac acctggggac caagaatcta tgcgtggagg tgtctgacct aatcagtatc     1560
ctggtgcacg ccgaggccca gctgcctccc tggatcgag cacagaaaga tttcctctca     1620
ggcctggatg ggggaaggact ctggtctcca gggagccaga ccagcactgt gtggcatgtg     1680
ttccggggcc aggatgccca gcgcattcgt cgctttctcc agatggtgtg ccagctgga     1740

```

9423.txt

gcaggaacct tggagcctgg tgccccaggc agctgctact tggatgcagg gttgcgccga 1800
cggctaagag aagagtgggg tgtgagctgc tggaccctgc tgcaggctcc tggggaagcg 1860
gtgctggtcc cggctggggc gccccatcag gtgcagggcc tggtgagcac aatcagtgtc 1920
actcagcact ttctgtctcc tgagacctct gccctctctg ctcagctctg ccaccaggga 1980
gccagcctac cccctgacca ccgtatgctt tatgcccaga tggaccgggc tgtgttccaa 2040
gcagtaaagg cggctgtggg ggcgttacag gaagctaaa 2079

<210> 19
<211> 30
<212> DNA
<213> Oligonucleotide primer

<400> 19
ccggaattcg tcaccagtg ccaaagctgt 30

<210> 20
<211> 49
<212> DNA
<213> Oligonucleotide primer

<400> 20
cgggatcctc tagagcggcc gcttattatt tagcttcctg taacgcccc 49